

Lists

- Lists are used to store multiple items in a single variable.
- Lists are created using square brackets.

```
my_list = ['hello', 1, 2, 3.0]
```

- Lists allow duplicate values and items can be of any data type.
- A list is changeable, we can change, add, and remove items in a list.
- To specify the list data type you can use list() constructor function.

```
my_list = list(('hello', 1, 2, 3.0))  
print (my_list)
```

```
['hello', 1, 2, 3.0]
```

Lists – Try it out



```
# List with string data types  
my_list1 = ["apple", "banana", "cherry"]  
  
print(my_list1)
```


```
[ ] # List with integer, string and float data types  
my_list2 = [1, "banana", 3.0]  
print(my_list2)
```

```
[ ] # List with boolean data types  
my_list3 = [True, False, False]  
print(my_list3)
```



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Fun with lists

```
✓  my_list1 = [1, "banana", 3.0]  
print(my_list1)
```

```
✓ [9] # Append an item  
my_list1.append("orange")  
print(my_list1)
```

```
✓ [10] # Remove an item  
my_list1.remove("banana")  
print(my_list1)
```

```
✓ [11] # Sort a list  
my_list2 = ["orange", "mango", "kiwi", "pineapple", "banana"]  
my_list2.sort()  
print(my_list2)
```